

## SEQUENCE LISTING

&lt;110&gt; Tosato, Giovanna et al.

<120> Use of Calreticulin and Calretuculin Fragments to  
Inhibi Endothelial Cell Growth and Angiogenesis, and  
Suppress Tumor Growth

&lt;130&gt; 4239 53372

&lt;140&gt; -----

&lt;141&gt; 1999-10-05

&lt;150&gt; US 60/103,438

&lt;151&gt; 1998-10-06

&lt;160&gt; 35

&lt;170&gt; PatentIn Ver. 2.0

&lt;210&gt; 1

&lt;211&gt; 1251

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (1)..(1251)

&lt;400&gt; 1

atg	ctg	cta	tcc	gtg	ccg	ttg	ctg	ctc	ggc	ctc	ctc	ggc	ctg	gcc	gtc	48
Met	Leu	Leu	Ser	Val	Pro	Leu	Leu	Leu	Gly	Leu	Leu	Gly	Leu	Ala	Val	
1				5					10					15		

gcc	gag	cct	gcc	gtc	tac	ttc	aag	gag	cag	ttt	ctg	gac	gga	gac	ggg	96
Ala	Glu	Pro	Ala	Val	Tyr	Phe	Lys	Glu	Gln	Phe	Leu	Asp	Gly	Asp	Gly	
		20						25					30			

tgg	act	tcc	cgc	tgg	atc	gaa	tcc	aaa	cac	aag	tca	gat	ttt	ggc	aaa	144
Trp	Thr	Ser	Arg	Trp	Ile	Glu	Ser	Lys	His	Lys	Ser	Asp	Phe	Gly	Lys	
		35					40					45				

ttc	gtt	ctc	agt	tcc	ggc	aag	ttc	tac	ggt	gac	gag	gag	aaa	gat	aaa	192
Phe	Val	Leu	Ser	Ser	Gly	Lys	Phe	Tyr	Gly	Asp	Glu	Glu	Lys	Asp	Lys	
	50					55				60						

ggt	ttg	cag	aca	agc	cag	gat	gca	cgc	ttt	tat	gct	ctg	tcg	gcc	agt	240
Gly	Leu	Gln	Thr	Ser	Gln	Asp	Ala	Arg	Phe	Tyr	Ala	Leu	Ser	Ala	Ser	
65					70				75					80		

ttc	gag	cct	ttc	agc	aac	aaa	ggc	cag	acg	ctg	gtg	gtg	cag	ttc	acg	288
Phe	Glu	Pro	Phe	Ser	Asn	Lys	Gly	Gln	Thr	Leu	Val	Val	Gln	Phe	Thr	
				85				90						95		

gtg	aaa	cat	gag	cag	aac	atc	gac	tgt	ggg	ggc	ggc	tat	gtg	aag	ctg	336
Val	Lys	His	Glu	Gln	Asn	Ile	Asp	Cys	Gly	Gly	Gly	Tyr	Val	Lys	Leu	
			100				105						110			

ttt	cct	aat	agt	ttg	gac	cag	aca	gac	atg	cac	gga	gac	tca	gaa	tac	384
Phe	Pro	Asn	Ser	Leu	Asp	Gln	Thr	Asp	Met	His	Gly	Asp	Ser	Glu	Tyr	
		115					120					125				

aac atc atg ttt ggt ccc gac atc tgt ggc cct ggc acc aag aag gtt	432
Asn Ile Met Phe Gly Pro Asp Ile Cys Gly Pro Gly Thr Lys Lys Val	
130 135 140	
cat gtc atc ttc aac tac aag ggc aag aac gtg ctg atc aac aag gac	480
His Val Ile Phe Asn Tyr Lys Gly Lys Asn Val Leu Ile Asn Lys Asp	
145 150 155 160	
atc cgt tgc aag gat gat gag ttt aca cac ctg tac aca ctg att gtg	528
Ile Arg Cys Lys Asp Asp Glu Phe Thr His Leu Tyr Thr Leu Ile Val	
165 170 175	
cgg cca gac aac acc tat gag gtg aag att gac aac agc cag gtg gag	576
Arg Pro Asp Asn Thr Tyr Glu Val Lys Ile Asp Asn Ser Gln Val Glu	
180 185 190	
tcc ggc tcc ttg gaa gac gat tgg gac ttc ctg cca ccc aag aag ata	624
Ser Gly Ser Leu Glu Asp Asp Trp Asp Phe Leu Pro Pro Lys Lys Ile	
195 200 205	
aag gat cct gat gct tca aaa ccg gaa gac tgg gat gag cgg gcc aag	672
Lys Asp Pro Asp Ala Ser Lys Pro Glu Asp Trp Asp Glu Arg Ala Lys	
210 215 220	
atc gat gat ccc aca gac tcc aag cct gag gac tgg gac aag ccc gag	720
Ile Asp Asp Pro Thr Asp Ser Lys Pro Glu Asp Trp Asp Lys Pro Glu	
225 230 235 240	
cat atc cct gac cct gat gct aag aag ccc gag gac tgg gat gaa gag	768
His Ile Pro Asp Pro Asp Ala Lys Lys Pro Glu Asp Trp Asp Glu Glu	
245 250 255	
atg gac gga gag tgg gaa ccc cca gtg att cag aac cct gag tac aag	816
Met Asp Gly Glu Trp Glu Pro Pro Val Ile Gln Asn Pro Glu Tyr Lys	
260 265 270	
ggt gag tgg aag ccc ccg cag atc gac aac cca gat tac aag ggc act	864
Gly Glu Trp Lys Pro Arg Gln Ile Asp Asn Pro Asp Tyr Lys Gly Thr	
275 280 285	
tgg atc cac cca gaa att gac aac ccc gag tat tct ccc gat ccc agt	912
Trp Ile His Pro Glu Ile Asp Asn Pro Glu Tyr Ser Pro Asp Pro Ser	
290 295 300	
atc tat gcc tat gat aac ttt ggc gtg ctg ggc ctg gac ctc tgg cag	960
Ile Tyr Ala Tyr Asp Asn Phe Gly Val Leu Gly Leu Asp Leu Trp Gln	
305 310 315 320	
gtc aag tct ggc acc atc ttt gac aac ttc ctc atc acc aac gat gag	1008
Val Lys Ser Gly Thr Ile Phe Asp Asn Phe Leu Ile Thr Asn Asp Glu	
325 330 335	
gca tac gct gag gag ttt ggc aac gag acg tgg ggc gta aca aag gca	1056
Ala Tyr Ala Glu Glu Phe Gly Asn Glu Thr Trp Gly Val Thr Lys Ala	
340 345 350	
gca gag aaa caa atg aag gac aaa cag gac gag gag cag agg ctt aag	1104
Ala Glu Lys Gln Met Lys Asp Lys Gln Asp Glu Glu Gln Arg Leu Lys	
355 360 365	

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 Glu Glu Glu Glu Asp Lys Lys Arg Lys Glu Glu Glu Glu Ala Glu Asp  
 370 375 380  
  
 aag gag gat gat gag gac aaa gat gag gat gag gag gat gag gag gac 1200  
 Lys Glu Asp Asp Glu Asp Lys Asp Glu Asp Glu Glu Asp Glu Glu Asp  
 385 390 395 400  
  
 aag gag gaa gat gag gag gaa gat gtc ccc ggc cag gcc aag gac gag 1248  
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 ctg 1251  
 Leu

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 <213> Homo sapiens

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 20 25 30  
  
 Trp Thr Ser Arg Trp Ile Glu Ser Lys His Lys Ser Asp Phe Gly Lys  
 35 40 45  
  
 Phe Val Leu Ser Ser Gly Lys Phe Tyr Gly Asp Glu Glu Lys Asp Lys  
 50 55 60  
  
 Gly Leu Gln Thr Ser Gln Asp Ala Arg Phe Tyr Ala Leu Ser Ala Ser  
 65 70 75 80  
  
 Phe Glu Pro Phe Ser Asn Lys Gly Gln Thr Leu Val Val Gln Phe Thr  
 85 90 95  
  
 Val Lys His Glu Gln Asn Ile Asp Cys Gly Gly Gly Tyr Val Lys Leu  
 100 105 110  
  
 Phe Pro Asn Ser Leu Asp Gln Thr Asp Met His Gly Asp Ser Glu Tyr  
 115 120 125  
  
 Asn Ile Met Phe Gly Pro Asp Ile Cys Gly Pro Gly Thr Lys Lys Val  
 130 135 140  
  
 His Val Ile Phe Asn Tyr Lys Gly Lys Asn Val Leu Ile Asn Lys Asp  
 145 150 155 160  
  
 Ile Arg Cys Lys Asp Asp Glu Phe Thr His Leu Tyr Thr Leu Ile Val  
 165 170 175  
  
 Arg Pro Asp Asn Thr Tyr Glu Val Lys Ile Asp Asn Ser Gln Val Glu  
 180 185 190  
  
 Ser Gly Ser Leu Glu Asp Asp Trp Asp Phe Leu Pro Pro Lys Lys Ile  
 195 200 205

Lys Asp Pro Asp Ala Ser Lys Pro Glu Asp Trp Asp Glu Arg Ala Lys  
 210 215 220  
 Ile Asp Asp Pro Thr Asp Ser Lys Pro Glu Asp Trp Asp Lys Pro Glu  
 225 230 235 240  
 His Ile Pro Asp Pro Asp Ala Lys Lys Pro Glu Asp Trp Asp Glu Glu  
 245 250 255  
 Met Asp Gly Glu Trp Glu Pro Pro Val Ile Gln Asn Pro Glu Tyr Lys  
 260 265 270  
 Gly Glu Trp Lys Pro Arg Gln Ile Asp Asn Pro Asp Tyr Lys Gly Thr  
 275 280 285  
 Trp Ile His Pro Glu Ile Asp Asn Pro Glu Tyr Ser Pro Asp Pro Ser  
 290 295 300  
 Ile Tyr Ala Tyr Asp Asn Phe Gly Val Leu Gly Leu Asp Leu Trp Gln  
 305 310 315 320  
 Val Lys Ser Gly Thr Ile Phe Asp Asn Phe Leu Ile Thr Asn Asp Glu  
 325 330 335  
 Ala Tyr Ala Glu Glu Phe Gly Asn Glu Thr Trp Gly Val Thr Lys Ala  
 340 345 350  
 Ala Glu Lys Gln Met Lys Asp Lys Gln Asp Glu Glu Gln Arg Leu Lys  
 355 360 365  
 Glu Glu Glu Glu Asp Lys Lys Arg Lys Glu Glu Glu Glu Ala Glu Asp  
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 Val Leu Ser Ser Gly Lys Phe Tyr Gly Asp Glu Glu Lys Asp Lys Gly  
 35 40 45  
 Leu Gln Thr Ser Gln Asp Ala Arg Phe Tyr Ala Leu Ser Ala Ser Phe  
 50 55 60

Glu Pro Phe Ser Asn Lys Gly Gln Thr Leu Val Val Gln Phe Thr Val  
 65 70 75 80  
 Lys His Glu Gln Asn Ile Asp Cys Gly Gly Gly Tyr Val Lys Leu Phe  
 85 90 95  
 Pro Asn Ser Leu Asp Gln Thr Asp Met His Gly Asp Ser Glu Tyr Asn  
 100 105 110  
 Ile Met Phe Gly Pro Asp Ile Cys Gly Pro Gly Thr Lys Lys Val His  
 115 120 125  
 Val Ile Phe Asn Tyr Lys Gly Lys Asn Val Leu Ile Asn Lys Asp Ile  
 130 135 140  
 Arg Cys Lys Asp Asp Glu Phe Thr His Leu Tyr Thr Leu Ile Val Arg  
 145 150 155 160  
 Pro Asp Asn Thr Tyr Glu Val Lys Ile Asp Asn Ser Gln Val Glu Ser  
 165 170 175  
 Gly Ser Leu Glu Asp Asp Trp Asp Phe Leu Pro Pro Lys Lys Ile Lys  
 180 185 190  
 Asp Pro Asp Ala Ser Lys Pro Glu Asp Trp Asp Glu Arg Ala Lys Ile  
 195 200 205  
 Asp Asp Pro Thr Asp Ser Lys Pro Glu Asp Trp Asp Lys Pro Glu His  
 210 215 220  
 Ile Pro Asp Pro Asp Ala Lys Lys Pro Glu Asp Trp Asp Glu Glu Met  
 225 230 235 240  
 Asp Gly Glu Trp Glu Pro Pro Val Ile Gln Asn Pro Glu Tyr Lys Gly  
 245 250 255  
 Glu Trp Lys Pro Arg Gln Ile Asp Asn Pro Asp Tyr Lys Gly Thr Trp  
 260 265 270  
 Ile His Pro Glu Ile Asp Asn Pro Glu Tyr Ser Pro Asp Pro Ser Ile  
 275 280 285  
 Tyr Ala Tyr Asp Asn Phe Gly Val Leu Gly Leu Asp Leu Trp Gln Val  
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 Lys Ser Gly Thr Ile Phe Asp Asn Phe Leu Ile Thr Asn Asp Glu Ala  
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 Tyr Ala Glu Glu Phe Gly Asn Glu Thr Trp Gly Val Thr Lys Ala Ala  
 325 330 335  
 Glu Lys Gln Met Lys Asp Lys Gln Asp Glu Glu Gln Arg Leu Lys Glu  
 340 345 350  
 Glu Glu Glu Asp Lys Lys Arg Lys Glu Glu Glu Glu Ala Glu Asp Lys  
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390

395

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 Val Leu Ser Ser Gly Lys Phe Tyr Gly Asp Glu Glu Lys Asp Lys Gly  
           35                  40                  45  
 Leu Gln Thr Ser Gln Asp Ala Arg Phe Tyr Ala Leu Ser Ala Ser Phe  
   50                  55                  60  
 Glu Pro Phe Ser Asn Lys Gly Gln Thr Leu Val Val Gln Phe Thr Val  
   65                  70                  75                  80  
 Lys His Glu Gln Asn Ile Asp Cys Gly Gly Gly Tyr Val Lys Leu Phe  
                   85                  90                  95  
 Pro Asn Ser Leu Asp Gln Thr Asp Met His Gly Asp Ser Glu Tyr Asn  
                   100                  105                  110  
 Ile Met Phe Gly Pro Asp Ile Cys Gly Pro Gly Thr Lys Lys Val His  
           115                  120                  125  
 Val Ile Phe Asn Tyr Lys Gly Lys Asn Val Leu Ile Asn Lys Asp Ile  
   130                  135                  140  
 Arg Cys Lys Asp Asp Glu Phe Thr His Leu Tyr Thr Leu Ile Val Arg  
 145                  150                  155                  160  
 Pro Asp Asn Thr Tyr Glu Val Lys Ile Asp Asn Ser Gln Val Glu Ser  
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 Gly Ser Leu Glu  
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           20                  25                  30

Thr His Leu Tyr Thr Leu Ile Val Arg Pro Asp Asn Thr Tyr Glu Val  
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Lys Ile Asp Asn Ser Gln Val Glu Ser Gly Ser Leu Glu  
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<220>  
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 <222> (109)..(1362)

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 Met Leu Leu  
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tcc gtg ccg ttg ctg ctc ggc ctc ctc ggc ctg gcc gtc gcc gag cct 165  
 Ser Val Pro Leu Leu Leu Gly Leu Leu Gly Leu Ala Val Ala Glu Pro  
 5 10 15

gcc gtc tac ttc aag gag cag ttt ctg gac gga gac ggg tgg act tcc 213  
 Ala Val Tyr Phe Lys Glu Gln Phe Leu Asp Gly Asp Gly Trp Thr Ser  
 20 25 30 35

cgc tgg atc gaa tcc aaa cac aag tca gat ttt ggc aaa ttc gtt ctc 261  
 Arg Trp Ile Glu Ser Lys His Lys Ser Asp Phe Gly Lys Phe Val Leu  
 40 45 50

agt tcc ggc aag ttc tac ggt gac gag gag aaa gat aaa ggt ttg cag 309  
 Ser Ser Gly Lys Phe Tyr Gly Asp Glu Glu Lys Asp Lys Gly Leu Gln  
 55 60 65

aca agc cag gat gca cgc ttt tat gct ctg tcg gcc agt ttc gag cct 357  
 Thr Ser Gln Asp Ala Arg Phe Tyr Ala Leu Ser Ala Ser Phe Glu Pro  
 70 75 80

ttc agc aac aaa ggc cag acg ctg gtg gtg cag ttc acg gtg aaa cat 405  
 Phe Ser Asn Lys Gly Gln Thr Leu Val Val Gln Phe Thr Val Lys His  
 85 90 95

gag cag aac atc gac tgt ggg ggc ggc tat gtg aag ctg ttt cct aat 453  
 Glu Gln Asn Ile Asp Cys Gly Gly Gly Tyr Val Lys Leu Phe Pro Asn  
 100 105 110 115

agt ttg gac cag aca gac atg cac gga gac tca gaa tac aac atc atg 501  
 Ser Leu Asp Gln Thr Asp Met His Gly Asp Ser Glu Tyr Asn Ile Met  
 120 125 130

ttt ggt ccc gac atc tgt ggc cct ggc acc aag aag gtt cat gtc atc 549  
 Phe Gly Pro Asp Ile Cys Gly Pro Gly Thr Lys Lys Val His Val Ile  
 135 140 145

ttc aac tac aag ggc aag aac gtg ctg atc aac aag gac atc cgt tgc 597  
 Phe Asn Tyr Lys Gly Lys Asn Val Leu Ile Asn Lys Asp Ile Arg Cys  
 150 155 160

aag gat gat gag ttt aca cac ctg tac aca ctg att gtg cgg cca gac 645  
 Lys Asp Asp Glu Phe Thr His Leu Tyr Thr Leu Ile Val Arg Pro Asp  
 165 170 175

aac acc tat gag gtg aag att gac aac agc cag gtg gag tcc ggc tcc 693  
 Asn Thr Tyr Glu Val Lys Ile Asp Asn Ser Gln Val Glu Ser Gly Ser  
 180 185 190 195

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 Leu Glu Asp Asp Trp Asp Phe Leu Pro Pro Lys Lys Ile Lys Asp Pro  
 200 205 210

gat gct tca aaa ccg gaa gac tgg gat gag cgg gcc aag atc gat gat 789  
 Asp Ala Ser Lys Pro Glu Asp Trp Asp Glu Arg Ala Lys Ile Asp Asp  
 215 220 225

ccc aca gac tcc aag cct gag gac tgg gac aag ccc gag cat atc cct 837  
 Pro Thr Asp Ser Lys Pro Glu Asp Trp Asp Lys Pro Glu His Ile Pro  
 230 235 240

gac cct gat gct aag aag ccc gag gac tgg gat gaa gag atg gac gga 885  
 Asp Pro Asp Ala Lys Lys Pro Glu Asp Trp Asp Glu Glu Met Asp Gly  
 245 250 255

gag tgg gaa ccc cca gtg att cag aac cct gag tac aag ggt gag tgg 933  
 Glu Trp Glu Pro Pro Val Ile Gln Asn Pro Glu Tyr Lys Gly Glu Trp  
 260 265 270 275

aag ccc cgg cag atc gac aac cca gat tac aag ggc act tgg atc cac 981  
 Lys Pro Arg Gln Ile Asp Asn Pro Asp Tyr Lys Gly Thr Trp Ile His  
 280 285 290

cca gaa att gac aac ccc gag tat tct ccc gat ccc agt atc tat gcc 1029  
 Pro Glu Ile Asp Asn Pro Glu Tyr Ser Pro Asp Pro Ser Ile Tyr Ala  
 295 300 305

tat gat aac ttt ggc gtg ctg ggc ctg gac ctc tgg cag gtc aag tct 1077  
 Tyr Asp Asn Phe Gly Val Leu Gly Leu Asp Leu Trp Gln Val Lys Ser  
 310 315 320



ggc acc atc ttt gac aac ttc ctc atc acc aac gat gag gca tac gct 1125  
 Gly Thr Ile Phe Asp Asn Phe Leu Ile Thr Asn Asp Glu Ala Tyr Ala  
 325 330 335

gag gag ttt ggc aac gag acg tgg ggc gta aca aag gca gca gag aaa 1173  
 Glu Glu Phe Gly Asn Glu Thr Trp Gly Val Thr Lys Ala Ala Glu Lys  
 340 345 350 355

caa atg aag gac aaa cag gac gag gag cag agg ctt aag gag gag gaa 1221  
 Gln Met Lys Asp Lys Gln Asp Glu Glu Gln Arg Leu Lys Glu Glu Glu  
 360 365 370

gaa gac aag aaa cgc aaa gag gag gag gag gca gag gac aag gag gat 1269  
 Glu Asp Lys Lys Arg Lys Glu Glu Glu Glu Ala Glu Asp Lys Glu Asp  
 375 380 385

gat gag gac aaa gat gag gat gag gag gat gag gag gac aag gag gaa 1317  
 Asp Glu Asp Lys Asp Glu Asp Glu Glu Asp Glu Glu Asp Lys Glu Glu  
 390 395 400

gat gag gag gaa gat gtc ccc ggc cag gcc aag gac gag ctg tag 1362  
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 405 410 415

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ccttcttga gccagagga gggcagcaga agggggtggt gtctccaacc cccagcact 1782

gaggaagaac ggggctcttc tcatttcacc cctcccttcc tcccctgccc ccaggactgg 1842

gccacttctg ggtggggcag tgggtccag attggctcac actgagaatg taagaactac 1902

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<212> PRT

<213> Homo sapiens

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His Leu Tyr Thr Leu Ile Val Arg Pro Asp Asn Thr Tyr Glu Val Lys  
 35 40 45

Ile Asp Asn Ser Gln Val Glu Ser Gly Ser Leu Glu

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55

60

<210> 9  
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<400> 9

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 His Leu Tyr Thr Leu Ile Val Arg Pro Asp Asn Thr Tyr Glu Val Lys  
 35 40 45  
 Ile Asp Asn Ser Gln Val Glu Ser Gly Ser Leu Glu Asp Asp Trp Asp  
 50 55 60  
 Phe Leu Pro Pro Lys Lys Ile Lys Asp Pro Asp Ala Ser Lys Pro Glu  
 65 70 75 80  
 Asp Trp Asp Glu Arg Ala Lys Ile Asp Asp Pro Thr Asp Ser Lys Pro  
 85 90 95  
 Glu Asp Trp Asp Lys Pro Glu His Ile Pro Asp Pro Asp Ala Lys Lys  
 100 105 110  
 Pro Glu Asp Trp Asp Glu Glu Met Asp Gly Glu Trp Glu Pro Pro Val  
 115 120 125  
 Ile Gln Asn Pro Glu Tyr Lys Gly Glu Trp Lys Pro Arg Gln Ile Asp  
 130 135 140  
 Asn Pro Asp Tyr Lys Gly Thr Trp Ile His Pro Glu Ile Asp Asn Pro  
 145 150 155 160  
 Glu Tyr Ser Pro Asp Pro Ser Ile Tyr Ala Tyr Asp Asn Phe Gly Val  
 165 170 175  
 Leu Gly Leu Asp Leu Trp Gln Val Lys Ser Gly Thr Ile Phe Asp Asn  
 180 185 190  
 Phe Leu Ile Thr Asn Asp Glu Ala Tyr Ala Glu Glu Phe Gly Asn Glu  
 195 200 205  
 Thr Trp Gly Val Thr Lys Ala Ala Glu Lys Gln Met Lys Asp Lys Gln  
 210 215 220  
 Asp Glu Glu Gln Arg Leu Lys Glu Glu Glu Glu Asp Lys Lys Arg Lys  
 225 230 235 240  
 Glu Glu Glu Glu Ala Glu Asp Lys Glu Asp Asp Glu Asp Lys Asp Glu  
 245 250 255  
 Asp Glu Glu Asp Glu Glu Asp Lys Glu Glu Asp Glu Glu Glu Asp Val  
 260 265 270  
 Pro Gly Gln Ala Lys Asp Glu Leu

275

280

<210> 10  
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 <212> PRT  
 <213> Artificial Sequence

<220>  
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<220>  
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<210> 11  
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 <212> PRT  
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<220>  
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 <223> Xaa represents G, V, or A

<220>  
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 <223> Xaa represents K or R

<220>  
 <223> Description of Artificial Sequence:Consensus  
 steroid nuclear receptor sequence

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<220>  
 <223> Description of Artificial Sequence:Portion of  
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<210> 13

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<400> 13

Lys Leu Gly Phe Phe Lys Arg  
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<210> 14

<211> 7

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<400> 14

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<210> 15

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<211> 7

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<210> 17

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<212> PRT

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integrin sequence

<400> 17

Lys Cys Gly Phe Phe Asp Arg  
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<210> 18

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Portion of  
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<400> 18

Arg Met Gly Phe Phe Lys Arg  
1 5

<210> 19

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Portion of  
integrin sequence

<400> 19

Lys Val Gly Phe Phe Lys Arg  
1 5

<210> 20

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Portion of  
integrin sequence

<400> 20

Lys Cys Gly Phe Phe Asn Arg  
1 5

<210> 21

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Portion of  
steroid nuclear receptor

<400> 21

Ala Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Val Gln Lys

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5

10

15

<210> 22  
 <211> 15  
 <212> PRT  
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 <223> Description of Artificial Sequence:Portion of  
 steroid nuclear receptor

<400> 22  
 Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Thr Ile Gln Lys  
 1 5 10 15

<210> 23  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Portion of  
 steroid nuclear receptor

<400> 23  
 Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Met Lys Arg  
 1 5 10 15

<210> 24  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Portion of  
 steroid nuclear receptor

<400> 24  
 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Val Glu Gly  
 1 5 10 15

<210> 25  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Portion of  
 steroid nuclear receptor

<400> 25  
 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Ala Glu Lys  
 1 5 10 15

<210> 26  
 <211> 15

<212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Portion of  
 steroid nuclear receptor

<400> 26

Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Met Glu Gly  
 1 5 10 15

<210> 27

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Portion of  
 steroid nuclear receptor

<400> 27

Ser Cys Glu Gly Cys Lys Ala Phe Phe Lys Arg Ser Ile Gln Gly  
 1 5 10 15

<210> 28

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Portion of  
 steroid nuclear receptor

<400> 28

Ser Cys Glu Gly Cys Lys Gly Phe Phe Lys Arg Thr Val Arg Lys  
 1 5 10 15

<210> 29

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Portion of  
 steroid nuclear receptor

<400> 29

Thr Cys Glu Gly Cys Thr Gly Phe Phe Lys Arg Ser Ile Arg Lys  
 1 5 10 15

<210> 30

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Portion of

## steroid nuclear receptor

&lt;400&gt; 30

Thr Cys Glu Gly Cys Lys Gly Phe Phe Lys Arg Thr Val Gln Lys  
 1 5 10 15

&lt;210&gt; 31

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:Portion of  
 steroid nuclear receptor

&lt;400&gt; 31

Ser Cys Glu Gly Cys Lys Gly Phe Phe Lys Arg Thr Val Arg Lys  
 1 5 10 15

&lt;210&gt; 32

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:Portion of  
 glucocorticoid receptor

&lt;400&gt; 32

Lys Val Phe Phe Lys Arg  
 1 5

&lt;210&gt; 33

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:Portion of  
 estrogen receptor

&lt;400&gt; 33

Lys Ala Phe Phe Lys Arg  
 1 5

&lt;210&gt; 34

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:Portion of  
 thyroid receptor

&lt;400&gt; 34

Lys Ser Phe Phe Arg Arg  
 1 5



<210> 35  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Portion of  
retinoic acid receptor

<400> 35  
Lys Gly Phe Phe Arg Arg  
1 5

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